

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/014032 A3**

(51) International Patent Classification<sup>7</sup>: **A61K 38/25**,  
C07K 14/60, G01N 33/74, A61P 1/14

MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(21) International Application Number:  
PCT/DK2004/000529

(22) International Filing Date: 6 August 2004 (06.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

(30) Priority Data:

PA 2003 01140	6 August 2003 (06.08.2003)	DK
PA 2003 01139	6 August 2003 (06.08.2003)	DK
60/494,815	14 August 2003 (14.08.2003)	US
60/494,816	14 August 2003 (14.08.2003)	US
PA 2003 01283	5 September 2003 (05.09.2003)	DK
PA 2003 01570	24 October 2003 (24.10.2003)	DK
PA 2003 01569	24 October 2003 (24.10.2003)	DK
PA 2004 00570	7 April 2004 (07.04.2004)	DK

Declaration under Rule 4.17:

— as to applicant's entitlement to apply for and be granted  
a patent (Rule 4.17(ii)) for the following designations AE,  
AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,  
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE,  
EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS,  
JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,  
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ,  
TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM,  
ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA,  
SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ,  
BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,  
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent  
(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
SN, TD, TG)

(71) Applicant (for all designated States except US): GAS-  
TROTECH PHARMA A/S [DK/DK]; Nyhavn 43B,  
DK-1051 Copenhagen K. (DK).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LANGE, Birgitte,  
Holst [DK/DK]; Ved Klosteret 2, 2.th, DK-2100 Copen-  
hagen K. (DK). HANSEN, Christian [DK/DK]; Rungsted  
Strandvej 19, DK-2950 Vedbæk (DK). NILSSON, Hen-  
rik [SE/DK]; Collingsgade 6, 2th., DK-2100 København Ø  
(DK).

(74) Agent: HØIBERG A/S; St. Kongensgade 59A, DK-1264  
Copenhagen K (DK).

Published:

— with international search report  
— with amended claims

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,

(88) Date of publication of the international search report:  
17 March 2005

Date of publication of the amended claims: 28 April 2005

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: USE OF SECRETAGOGUES LIKE GHRELIN IN CANCER CACHEXIA AND FOR STIMULATING APPETITE

(57) Abstract: The present invention relates, in one aspect, to the use of a secretagogue compound for the preparation of a medica-  
ment for the prophylaxis or treatment of cancer cachexia in an individual in need of such treatment. In another aspect, the present  
invention relates to the use of a ghrelin-like compound for the preparation of a medicament for prophylaxis or treatment of cachexia in  
an individual by administering a subcutaneous dosage of said medicament to the individual. In a further aspect, the present invention  
relates to the use of a ghrelin-like compound or a pharmaceutically acceptable salt thereof for the preparation of a medicament for  
stimulation of appetite in an individual by administering a subcutaneous dosage of said medicament to the individual. Furthermore,  
the present invention relates to a number of new ghrelin-like compounds and uses thereof, as well as to pharmaceutical compositions  
and medical packaging comprising the new ghrelin-like compounds.



WO 2005/014032 A3